

CHICAGO PNEUMATIC TOOL COMPANY

1002 Chicago Pneumatic Building
NEW YORK, N. Y.

For Sales and Service Branches, see page 656.

Products

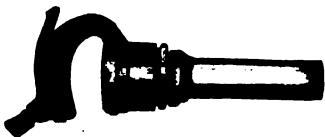
PNEUMATIC TOOLS, including CHIPPING, CALKING and RIVETING HAMMERS, AIR DRILLS, WOOD BORERS, and "CLOSE QUARTERS" DRILLS, SAND RAMMERS, SELF-ROTATING HAMMER DRILLS, ROCK DRILLS, ELECTRIC DRILLS and GRINDERS.

PNEUMATIC GEARED HOISTS and WINCHES.

For Air Compressors and Semi-Diesel Oil Engines, see pages 656-657.

Boyer and Keller Chipping and Calking Hammers

A complete line for every chipping, calking, scaling and beading operation.



BOYER CHIPPING AND CALKING HAMMER



KELLER CHIPPING AND CALKING HAMMER

CHIPPING, CALKING, AND SCALING HAMMERS

Size and style	Piston diam., in.	Length stroke, in.	Service for which suited	Weight, lbs.		Code
				Net	Shpg.	
*BOYER "BK" CHIPPING AND CALKING HAMMERS						
1	1 1/4	1	Light chipping	12 1/4	13 1/2	Abhume
1-x	1 1/4	1 1/2	Medium chipping	12 1/4	13 1/2	Abisic
2	1 1/8	2	General chipping	12 1/4	14	Abiadum
3	1 1/8	3	Heavy chipping	14 1/4	15	Abigial
4	1 1/8	4	Extra heavy chipping	15 1/2	16 1/2	Abiolius

*BOYER CHIPPING, CALKING AND SCALING HAMMERS

F	1 1/4	1 1/4	Scaling hammer	Weight, lbs.		Code
				Net	Shpg.	
BB	1 1/4	1 1/2	Flue beading	7 1/4	16	Abjection
B	1 1/4	2	Light chipping	10 1/4	12 1/2	Abdiquer

*KELLER CHIPPING, CALKING AND SCALING HAMMERS						
Size and style	Piston diam., in.	Length stroke, in.	Service for which suited	Weight, lbs.		Code
				Net	Shpg.	
0	3/4	1 1/4	Scaling hammer	5 1/4	6	Abed
+	1 1/4	1 1/4	Scaling hammer	6 1/2	7 1/2	Abelric
1	1 1/8	1	Light chipping	11 1/4	12	Abensur
1-x	1 1/8	1 1/2	Medium chipping	11 1/4	12 1/2	Aberdevine
2	1 1/8	2	General chipping	12 1/2	14	Aberrance
3	1 1/8	3	Heavy chipping	13 1/2	15	Aberrant
4	1 1/8	4	Extra heavy chipping	15	20	Abeyantly

*When ordering specify "round" or "hexagon" bushings. Chisels furnished at extra charge.

In ordering, specify whether heavy or light type handle is desired. The heavy type is standard.

†Valveless.

Boyer Riveting Hammers

The world's standard wherever rivets are driven.

Patented 3-unit construction secures unusual accessibility, ruggedness and giant driving power.



BOYER LONG STROKE RIVETING HAMMER

BOYER RIVETING HAMMERS

Type	Size No.	Piston diam., in.	Length stroke, in.	Capacity rivets, in.	Blows per min.	Shipping weight, lbs.
H.....	H-3	1 1/4	3	36	2100	13
	H-4	1 1/4	4	42	2000	13 1/2
	50	1 1/4	5	48	1400	19
Standard...	60	1 1/4	6	52	1150	21
	80	1 1/4	8	1 1/2	1050	22 1/2
	90	1 1/4	9	1 1/2	900	24
	80-X	1 1/4	8	1 1/2	850	27
	11	1 1/4	11	1 1/2	650	28

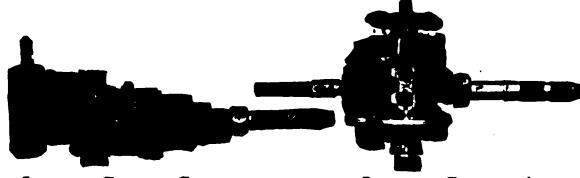
May be equipped with safety device for preventing accidental shooting out of piston or rivet set.



Little Giant Air Drills

Balanced piston type. Four single acting cylinders arranged in pairs, each pair of pistons connected to opposite wrists of a double crank shaft. Pistons of each pair travel in opposite directions at all parts of stroke, insuring smooth operation.

All Little Giant drills are of standard design, varying only in size and construction to adapt them to particular uses. Reversible and non-reversible types. Range in drilling from $\frac{1}{4}$ to 3 in. in steel.



LITTLE GIANT CLOSE QUARTERS DRILL LITTLE GIANT AIR DRILL

Little Giant Close Quarters Air Drills—Useful for tapping, flue rolling, etc., in close quarters. A compact train of gears provides smooth, uninterrupted rotation of spindle, overcoming the objectionable intermittent action of ratchet levers in the so-called ratchet types.

LITTLE GIANT AIR DRILLS

Size No.	Speed, r.p.m.	Air used, cu. ft. per min.	Capacity, in. ^o	Weight, net, lbs.		
				Drill	Ream	Tap
LITTLE GIANT AIR DRILLS						
10 F	2200	11	1/4	—	—	8
10 S	1000	7	1/4	—	—	8 1/4
3 S (1)	1800	15	1/4	—	—	11 1/2
3 RS (1)	1200	15	1/4	—	—	14 1/2
3 A (2)	800	15	1/2	—	—	12
4 (2)	800	20	1/2	—	—	22
4R (2)	360	18	2	1/2	—	24
4T	370	18	2	—	—	24
4C (2)	240	20	3 1/4	1 1/4	1 1/4	28
4RC (2)	125	20	3 1/4	1 1/4	1 1/4	30
4TC	130	18	3	—	—	30
2 (2)	480	25	3 1/4	1	1	40
2R (2)	325	20	3 1/4	1	1	42
12	325	20	3	—	—	44
2C (2)	185	25	4	2	1 1/4	52
2RC (2)	120	20	4	2	1 1/4	54
12C	120	20	4	—	—	56
1 (2)	400	35	4	2	2	58
1R (2)	230	30	4	2	2	66
11	230	30	4	—	—	62
15 (2)	260	35	4	2	2 1/4	68
16R (2)	180	30	4	2	2 1/4	73
18T	180	30	4	—	2 1/4	74
1C (2)	110	35	5	3	2 1/4	77
1RC (2)	65	30	5	3	2 1/2	85
11C (2)	58	30	5	—	2 1/2	81
15C (2)	80	30	5	3	2 1/2	85
16RC (2)	52	30	5	3	3	90
15TC	50	30	5	—	3	88

LITTLE GIANT CLOSE QUARTERS DRILLS

81 (3)	310	25	3 1/4	1	—	24
91 (3)	180	35	4 1/2	1 1/4	—	40
81R (3)	240	25	3 1/4	1	—	36
91R (3)	120	35	4 1/2	1 1/4	—	42
8	400	20	2 1/4	1/2	—	20

LITTLE GIANT WOOD BORING MACHINES

108 (4)	1000	7	—	1/4	—	8
3RS (4)	1200	15	—	1	—	14 1/2
3RS8 (4)	600	15	—	1	—	14 1/2
5 (5)	650	18	—	2	—	22
58 (5)	370	18	—	2 1/2	—	22
14 (5)	700	20	—	4	—	32
148 (5)	325	20	—	4 1/2	—	32

*Nos. 00 and 0 indicate chuck sizes; other numbers indicate Morse taper sockets.

†Nos. in parentheses indicate the following regular equipment:

- (1) Breast plate and No. 0 chuck.
- (2) Feed screw.
- (3) Ratchet wrench for feed screw.
- (4) Grip handle and wood bit chuck.
- (5) Wood bit chuck. †Suitable for special extra heavy reaming and tapping.

†Letter "R" indicates reversible type drills; letter "C" indicates compound geared drills; letter "T" indicates drills fitted with grip handles and especially adapted for tapping flue rolling or reaming. Drilling capacities are for drilling in metal except wood boring machines, for which capacity in soft dry pine is given.

||Nos. 10-F to 3-A inclusive, and No. 3 have $\frac{1}{4}$ -in. hose connections; Nos. 4 to 91-R inclusive have $\frac{1}{2}$ -in. hose connections. ||At 80-lb. pressure.

Little Giant Geared Air Hoists

Great hoisting power; unusually rugged steel construction; economy of air; absolute safety. Simple, valveless air motor operates equally well in either direction and has repeatedly demonstrated its power and air economy advantages. Automatic air brake makes slippage impossible. "Limit" stop device supplies infallible protection against jam-ups from over-hoisting. All gears cut from solid stock, accurately machined and case hardened. Lubrication of the "splash" type. Ask for bulletin.

LITTLE GIANT
GEARED AIR HOIST

LITTLE GIANT PORTABLE GEARED AIR HOISTS

Size No.	Capacity, tons	Height of lift, ft.	Lifting speed, ft. per min.	Distance between hooks, in.	Air consumption per ft. lift, cu. ft.	Net weight, lbs.	Code
10	1	9	28	39	3	355	Accrescent
11	2	9	16	39	4	360	Accretion
12	3	11	10	45	8	465	Accroach
13	5	12	7	53 $\frac{1}{2}$	15	820	Accrore
14	10	12	4	61 $\frac{1}{2}$	27	1080	Accrue

Note: When desired, Little Giant portable geared hoists can be supplied in any of the above sizes, except size 10, equipped with either a plain trolley, geared single track trolley or a geared double track trolley. When ordering, always state size and weight of channels on which trolley must operate.

Little Giant Electric DrillsLITTLE GIANT
PORTABLE
ELECTRIC DRILLLITTLE GIANT ELECTRIC DRILLS—DRILLING CAPACITIES
IN METAL

Size No.	*Universal for 110 and 220 volts, in.	D.C. for 120 and 240 volts, in.	**A.C. for 2-phase and 3-phase, in.	D.C. for street railway work, 600 volts, in.
000	$\frac{1}{4}$	..	..	..
000x	$\frac{1}{4}$	..	..	..
0-B	$\frac{1}{4}$	..	..	..
1-B	$\frac{1}{4}$	..	..	..
1 $\frac{1}{2}$ -B	$\frac{1}{4}$	..	..	..
2-B	$\frac{1}{4}$	..	..	..
3-B	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$
4-B	$1\frac{1}{4}$	2	$1\frac{1}{4}$	$1\frac{1}{4}$

*For connection to ordinary lamp socket. D. C. or A. C. of 60 cycles or less, single-phase interchangeably.

**Standard windings are for 60 cycles, 120 or 240 volts. Nos. 2, 3 and 4 can be wound for 380 or 440 volts.

Note: In ordering specify Size No.; also whether D. C. or A. C. or "Universal" type is desired. (If A. C., specify cycles and phase.)

Little Giant Electric Hammer DrillsLITTLE GIANT
ELECTRIC
HAMMER DRILL

For drilling concrete and soft stone, for light chipping of metals or wherever an electrically operated percussive drill is necessary for effective work. Ask for Bulletin E-62.

LITTLE GIANT ELECTRIC HAMMER DRILLS

Maximum capacity in soft stone or concrete.....	1 in.
Weight, net.....	21 lbs.
Length over all.....	17 $\frac{1}{2}$ in.

Wound for 110 or 220 volts (Universal type to operate on either D. C. or single-phase A. C.).

Little Giant Portable Electric Grinders

Similar in construction to Little Giant electric drills. Widely used in foundries, machine shops, structural shops, and for grinding rails on street railways.

The line of Little Giant electric grinders also includes: precision, toolpost and surface types. Bulletin on request.

LITTLE GIANT PORTABLE
ELECTRIC GRINDER
LITTLE GIANT PORTABLE ELECTRIC GRINDERS

Size No.	R. p. m.		Size wheel, in.	Weight, lbs.
	120-240-600 volts D. C.	120-240-440 volts A.C. 2- and 3-phase, 60 cycles		
5-BP	4000	3600	5x $\frac{1}{2}$ x $\frac{1}{2}$	15
8-BP	2400	1800	6x $1\frac{1}{4}$ x $\frac{1}{2}$	28

Hummer Self-rotating Hammer Drill

For general use in the industrial, contracting, mining and quarrying fields for a wide variety of purposes, displacing to a large extent the heavier, more cumbersome and expensive, mounted rock drills.

Simplicity, sturdiness in construction, ease of operation, independent motor rotation, low cost of upkeep, fast drilling and hard hitting power are the leading features. Furnished for wet or dry work.

GENERAL SPECIFICATIONS HUMMER DRILL WITH INDEPENDENT MECHANICAL ROTATION

Designating symbol.....	A-86
Diameter cylinder, in.....	$2\frac{1}{4}$
Length stroke, in.....	$3\frac{1}{4}$
Weight, lbs.....	45
Length over all, in.....	$18\frac{1}{2}$
Size hose to use, in.....	$\frac{1}{4}$
Size steel (hollow hexagon), in.....	$\frac{1}{2}$
Code word.....	Rezaba

A-86 HUMMER
SELF-ROTATING
HAMMER DRILLC-22 IMPROVED TYPE
GATLING DRILL
With patented cushion device, mounted on column. A powerful, "one-man" drill.BQ-46 HAMMER
DRILL FOR
DEMOLITION WORK**Demolition Hammer Drill, Type BQ-46**

Useful in industrial plants and construction work for demolition purposes such as tearing out concrete, removing slag from ladles and slag pockets, glass from furnaces, etc. Uses either shanked or unshanked 1-in. hexagon steel, with peg-point or standard bits.